

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2011; month=1; day=19; hr=15; min=21; sec=1; ms=477; ]

=====

Application No: 10547944

Version No: 1.0

Input Set:

Output Set:

Started: 2011-01-06 19:50:22.997

Finished: 2011-01-06 19:50:24.278

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 281 ms

Total Warnings: 48

Total Errors: 0

No. of SeqIDs Defined: 48

Actual SeqID Count: 48

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

**Input Set:**

**Output Set:**

**Started:** 2011-01-06 19:50:22.997  
**Finished:** 2011-01-06 19:50:24.278  
**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 281 ms  
**Total Warnings:** 48  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 48  
**Actual SeqID Count:** 48

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

# SEQUENCE LISTING

<110> Frimurer, Thomas M.  
 Ulven, Trond  
 Hogberg, Thomas  
 Elling, Christian E.

<120> Pseudo-Sequence Method for Comparing 7TM Receptors with Respect  
 to the Physico-Chemical Properties of Their Binding Sites

<130> 41228-TM10001US

<140> 10547944

<141> 2011-01-06

<150> PCT/DK2004/000148

<151> 2004-03-05

<150> PA 2003 00353

<151> 2003-03-07

<160> 48

<170> PatentIn version 3.5

<210> 1

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 1

His	Ser	Phe	Phe	Met	Phe	Asn	Thr	Tyr	Ala	Lys	Phe	Ala	Trp	Tyr	His
1				5					10					15	

Ser	Glu	Ala	Leu	Thr	Ala
					20

<210> 2

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 2

Gln	His	Tyr	Leu	Val	Gly	Asp	Gly	Leu	Ser	Ile	Asn	Phe	Leu	Phe	Ser
1				5					10					15	

Leu Tyr Ala Lys Val Thr  
20

<210> 3  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 3

Gln Ile Phe Ile Gly Cys Gly Ser Glu Thr Glu Ile Phe Val Leu Cys  
1 5 10 15

Leu Tyr Ser Leu Val Thr  
20

<210> 4  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 4

Trp Thr Asp Val Val Thr Val Ser Pro Val Ser Ser Ser Trp Phe Phe  
1 5 10 15

Asn Arg Ala Phe Asn Gly  
20

<210> 5  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 5

Ser Thr Leu Leu Ser Leu Thr Thr Thr Ala Ala Ser Ser Ser Leu Val  
1 5 10 15

Val Asn Gln Asp Ile Ala  
20

<210> 6  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 6

Ser Ser Ile Phe Met Tyr Leu Ala Val Gly Ser Thr Gly Trp Tyr His  
1 5 10 15

Lys Tyr Met Phe Thr Ser  
20

<210> 7  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 7

Gln Met Phe Leu Gly Asp His Ala His Ala Cys Phe Asp Val Phe Leu  
1 5 10 15

Leu Tyr Ala Thr Met Thr  
20

<210> 8  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 8

Val His Ile Asp Leu Phe Leu Thr Asn Leu His Phe Gly Trp Tyr Glu  
1 5 10 15

Gly Met Ala Ile Ser Ala  
20

<210> 9

<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 9

Ile Asp Phe Val Leu Leu Thr Gly Met Val Val Ile Thr Trp Phe Val  
1 5 10 15

Val Met Thr Phe Gly Ile  
20

<210> 10  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 10

Arg Thr Asp Val Thr Thr Ile Ser Pro Ala Cys Ser Ala Trp Phe Phe  
1 5 10 15

Asn Asp Pro Trp Leu Gly  
20

<210> 11  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 11

Ser Gly Gln Gly Val Ala Ile Met Ser Thr Val Tyr Arg Trp Leu Trp  
1 5 10 15

Met Ser Asp Tyr His Ala  
20

<210> 12  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 12

Gln Leu Phe Leu Gly Ser Asn Ser Gln His Val Asp Phe Leu Val Thr  
1 5 10 15

Leu Tyr Ala Lys Leu Gly  
20

<210> 13

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 13

Ala Ser Val Ser Leu Tyr Ala Ser Ala Gly Lys Asn Gly Trp His Gln  
1 5 10 15

Thr Asp Val Met Ile Ala  
20

<210> 14

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 14

Gln Val Phe Ile Ala Ser Ser Gly His Lys Ile His Phe Arg Ser Ala  
1 5 10 15

Arg Val Phe Leu Val Thr  
20

<210> 15

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide



<400> 15

Asn Leu Leu Ser Arg Thr Leu Asn Leu His Leu Tyr Glu Phe Ser Ile  
1 5 10 15

Gly Ser Met Phe Leu Thr  
20

<210> 16

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 16

Thr Thr Phe Phe Phe Phe Val Ala Gln Asn Thr Asn Gly Trp Tyr Asn  
1 5 10 15

Ile Glu Thr Leu Glu Ala  
20

<210> 17

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 17

Trp Thr Asp Val Cys Ser Ala Ser Pro Val Ala Ser Thr Trp Phe Phe  
1 5 10 15

Asn Gln Ala Phe Thr Gly  
20

<210> 18

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 18

Val Asn Ile Ser Leu Tyr Leu Ser Met Asn Leu Asn Gly Trp Phe Gln  
1 5 10 15

Thr Asp Thr Thr Ser Ala  
20

<210> 19  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 19

Gln Leu Ser Leu Gly Gly Asn Ser Gln Pro Thr Asn Ile Met Phe Cys  
1 5 10 15

Leu Tyr Ile Lys Val Ala  
20

<210> 20  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 20

Ile Pro Gln Leu Val Gly Leu Ala Glu Ser Ile Phe Tyr Trp Asn His  
1 5 10 15

Tyr Arg Ser Thr Arg Ser  
20

<210> 21  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 21

Gln Met Ile His Ser Met Ala Arg Ile Ser Leu Ser Tyr Tyr Met Ile  
1 5 10 15

Ser His Arg Val Asn Leu  
20

<210> 22  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 22

Tyr Tyr His Glu Ala Tyr Leu Ala Met Ile Asn Val Ser Trp Tyr His  
1 5 10 15

Arg Tyr Cys Tyr Asn Phe  
20

<210> 23  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 23

Ala Ser Val Ser Leu Tyr Ala Ser Ala Gly Lys Asn Gly Trp His Gln  
1 5 10 15

Thr Asp Val Met Ile Ala  
20

<210> 24  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 24

Trp Ile Asp Val Ser Thr Ile Ser Ile Val Gly Ser Ser Trp Phe Phe  
1 5 10 15

Asn Ala Val Leu Val Gly  
20

<210> 25  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 25

Ser Arg Gln Tyr Leu His Phe Ser His Asp Thr Phe Leu Trp Leu Asn  
1 5 10 15

Val Leu Ser Tyr His Ala  
20

<210> 26  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 26

Trp Leu Asp Tyr Ser Asn Leu Trp Ala Thr Thr Ala Ala Trp Tyr Asn  
1 5 10 15

Val Ser Thr Trp Tyr Cys  
20

<210> 27  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 27

Ile Ser Tyr Ser Phe His Leu Ala Ala Ala Gln Val Gly Gln Tyr Ser  
1 5 10 15

Leu Asp Thr Leu Ser Ala  
20

<210> 28

<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 28

Met Gly Met Ile Gly Leu Leu Gly Pro Ser Leu Ser Leu Trp Leu Leu  
1 5 10 15

Ile Thr Val Leu Leu Ala  
20

<210> 29  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 29

Gln Met Val His Tyr Ala Arg Arg Tyr Gly Val Ala Ala Tyr Ala Phe  
1 5 10 15

Phe His Arg Ile Asn Val  
20

<210> 30  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 30

Ile Gly Ser Ile Ser Glu Lys Tyr Ser Leu Leu Asn Cys Asn Val Ala  
1 5 10 15

Ser Ser Leu Lys Leu Val  
20

<210> 31  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 31

Gln Leu Phe Val Val Gly Asn Ser His Asn Ile Asn Phe Trp Phe Leu  
1 5 10 15

Val Tyr Ile Arg Val Ser  
20

<210> 32

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 32

Ala Gly Thr Val Ser Glu Ala Ala Pro Val Cys Leu Asp Met Ile Ser  
1 5 10 15

Ala Ala Ser Lys Val His  
20

<210> 33

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 33

Trp Val Asp Ile Ser Thr Ile Ser Pro Ala Ser Ser Ser Trp Phe Phe  
1 5 10 15

Asn Leu Pro Phe Val Gly  
20

<210> 34

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 34

Ile Pro Gln Leu Val Gly Leu Ala Glu Ser Ser Phe Phe Trp Asn His  
1 5 10 15

Tyr Arg Ser Ser Arg Ala  
20

<210> 35

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 35

Phe Gly Leu Thr Met Phe Ser Ser Thr Ala Lys Asn Gly Trp Phe His  
1 5 10 15

Thr Asp Ala Leu Ile Gly  
20

<210> 36

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 36

Arg Leu Phe Leu Gly Cys Val Ser Asp Ser Ile Ala Phe Leu Val Phe  
1 5 10 15

Leu Tyr Gly Lys Val Ala  
20

<210> 37

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 37

Gln Ile Ile His Gly Gly His Ser Gln Pro Leu Asp Tyr Phe Pro Met  
1 5 10 15

Tyr Pro His Lys Ile Ala  
20

<210> 38  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 38

Gln Ile Phe Leu Gly Thr Ala Trp Gly Gln Ser Thr Leu Val Leu Ser  
1 5 10 15

Leu Tyr Gly Lys Leu Ala  
20

<210> 39  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 39

Trp Leu Asp Tyr Ser Thr Trp Val Ile Lys Thr Ala Asn Trp Tyr Phe  
1 5 10 15

Phe Ile Ala His Ile Gly  
20

<210> 40  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 40

Ser Asn Leu Ile Met Phe Leu Ser Ser Thr Arg Phe Gly Trp Tyr His  
1 5 10 15



Asn Glu Leu Leu Thr Ala

20

<210> 41

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 41

Thr Ala Phe Tyr Thr Tyr Gln Thr Leu Leu Ala Cys Gly Phe Tyr His

1

5

10

15

Ile His Met Leu Val Met

20

<210> 42

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 42

Gln Met Ala Leu Gly Gly Ser Ala Tyr Ala Ile Arg Leu His Ser Asn

1

5

10

15

Arg Ala Leu Asn Val Thr

20

<210> 43

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> synthesized peptide

<400> 43

Val Pro Gln Lys Val Gly Leu Ala Glu Asp Leu Phe Tyr Trp Leu His

1

5

10

15

Arg Lys Leu Asp Ile Ala

20

<210> 44  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 44

Val Phe Thr Val Leu Asp Ile Gly Ala Thr Lys Phe Gly Trp Tyr His  
1 5 10 15

Ser Glu Leu Ile Thr Ala  
20

<210> 45  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 45

Ile His Val Asp Leu Phe Leu Thr Val Gly Arg Phe Gly Trp Phe Gln  
1 5 10 15

Ala Gly Thr Val Ser Ala  
20

<210> 46  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 46

Gln Asn Pro Ile Val Phe Leu Ala Gln His Val Ile Val Trp Tyr His  
1 5 10 15

Phe Thr Ala Tyr Phe Ala  
20

<210> 47

<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 47

Gly Leu Leu Ala Arg Ala Gly Thr Leu His Met Phe Glu Tyr Ser Val  
1 5 10 15

Arg Phe Leu Leu Leu Thr  
20

<210> 48  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthesized peptide

<400> 48

Thr Val Leu Val Phe Ala Leu Gly Pro Leu Arg Ala Ser Trp Phe Ala  
1 5 10 15

Cys Gly Ser Thr Leu Ala  
20